

INDEX TO VOLUME XXIV

SUBJECTS

	PAGE
λ <i>Andromedae</i> , Orbit of the Spectroscopic Binary. <i>Kevin Burns</i> - -	345
ARC Spectra from λ 5800 to λ 8500, Photographs of Certain. <i>Lord Blyth-</i> <i>wood</i> and <i>Walter A. Scoble</i> - - - - -	125
<i>Arcturus</i> , Sun-Spot Lines in the Spectrum of. <i>Walter S. Adams</i> - -	69
ASTEROIDS and Satellites, Light Variations of. <i>Henry Norris Russell</i> -	1
BINARY λ <i>Andromedae</i> , Orbit of Spectroscopic. <i>Kevin Burns</i> - - -	345
BOOKS Received - - - - -	370
δ <i>Capricorni</i> , Variable Radial Velocity of. <i>V. M. Slipher</i> - - -	381
CARBONYL Group, Chemical Reactivity of, as Measured by its Absorption Spectrum. <i>A. W. Stewart</i> and <i>E. C. C. Baly</i> - - - -	95
β <i>Cephei</i> , Period of. <i>Edwin B. Frost</i> - - - - -	259
COLOR, The Origin of. <i>E. C. C. Baly</i> and <i>A. W. Stewart</i> - - -	133
COMET (1905 c), Giacobini's, Photographic Observations of. <i>E. E. Barnard</i>	255
CORONA, On the Connection between Disturbed Areas of the Solar Surface and. <i>A. L. Cortie</i> - - - - -	355
DOUBLETs, Theory of Cemented. <i>Henry C. Lomb</i> - - - - -	263
ERRATA - - - - -	369
FILTERS for Astronomical Photography with Reflecting Telescopes, Color. <i>Robert James Wallace</i> - - - - -	268
GIACOBINI's Comet (1905 c), Photographic Observations of. <i>E. E. Barnard</i>	255
GRATING, Plane, A Mechanical Illustration of. <i>Herbert M. Reese</i> - -	47
GRATING Spectroscopes, Occulting Shutter for Concave. <i>Herbert M. Reese</i>	49
ILLUMINATION above Northern Horizon near Time of Summer Solstice, Midnight. <i>E. E. Barnard</i> - - - - -	128
IMAGERY, Geometrical Theory of Optical. <i>James P. C. Southall</i> - -	156
LIGHT-Variations of Asteroids and Satellites. <i>Henry Norris Russell</i> -	1
LINE Structure, III. <i>P. G. Nutting</i> - - - - -	111
MIDNIGHT Illumination above Northern Horizon near Time of Summer Solstice. <i>E. E. Barnard</i> - - - - -	128
MIRROR for the Solar Observatory, 100-inch. <i>George E. Hale</i> - - -	214
MOON, Temperature of. <i>Frank W. Very</i> - - - - -	351
OPTICAL Imagery, Geometrical Theory of. <i>James P. C. Southall</i> - -	156
PHOTOGRAPHY with Reflecting Telescopes, Color Filters for Astronomical. <i>Robert James Wallace</i> - - - - -	268
PLANETARY Inversion. <i>F. J. M. Stratton</i> - - - - -	46
POLARIZATION and Selective Reflection in Infra-red Spectrum. <i>A. H.</i> <i>Pfund</i> - - - - -	19

	PAGE
PRINCETON, Results of Solar Observations at, 1905-1906. <i>Walter M. Mitchell</i>	78
RADIAL Velocity Determinations, Short Method of Computing Approximate Value of Reduction to Sun in. <i>H. K. Palmer</i>	51
Velocity of δ Capricorni, Variable. <i>V. M. Slipher</i>	381
RADIATION, Stark's Theory of. <i>J. A. Anderson</i>	382
REACTIVITY, Chemical, of the Carbonyl Group as Measured by its Absorption Spectrum. <i>A. W. Stewart</i> and <i>E. C. C. Baly</i>	95
REDUCTION to Sun in Radial Velocity Determinations, Short Method of Computing Approximate Value of. <i>H. K. Palmer</i>	51
REFLECTING Telescopes, Color Filters for Astronomical Photography with. <i>Robert James Wallace</i>	268
REFLECTION, Selective, and Polarization in Infra-red Spectrum. <i>A. H. Pfund</i>	19
REVIEWS. See Table of Contents.	
ROYAL Society, Letter Regarding the Proceedings of. <i>J. Larmor</i>	55
SATELLITES and Asteroids, Light-Variations of. <i>Henry Norris Russell</i>	1
SHUTTER, Occulting, for Concave Grating Spectroscopes. <i>Herbert M. Reese</i>	49
SNOW Fund of the Yerkes Observatory. <i>Edwin B. Frost</i>	219
SOLAR Observations at Princeton, 1905-1906, Results of. <i>Walter M. Mitchell</i>	78
Observatory, Spectroscopic Laboratory of. <i>George E. Hale</i>	61
Observatory, Latitude and Longitude of. <i>George E. Hale</i>	129
Observatory, 100-inch Mirror for. <i>George E. Hale</i>	214
Surface, On the Connection between Disturbed Areas of, and the Solar Corona. <i>A. L. Cortie</i>	355
SPARK Spectrum, A Spectroscopic Study of. <i>W. B. Anderson</i>	221
SPECTRA from λ 5800 to λ 8500, Photographs of Certain Arc. <i>Lord Blythwood</i> and <i>Walter A. Scoble</i>	125
Preliminary Paper on Cause of Characteristic Phenomena of Sun-Spot. <i>George E. Hale, Walter S. Adams, and Henry G. Gale</i>	185
On the Relation between Stellar Spectral Types and the Intensities of Certain Lines in the. <i>Sebastian Albrecht</i>	333
SPECTROCOMPARATOR, The. <i>J. Hartmann</i>	285
SPECTROHELIOGRAPH, A New Form of. <i>G. Millochau</i> and <i>M. Stejdánek</i>	42
SPECTROSCOPES, An Occulting Shutter for Concave Grating. <i>Herbert M. Reese</i>	49
SPECTROSCOPIC Laboratory of the Solar Observatory. <i>George E. Hale</i>	61
Binary λ Andromedae, Orbit of. <i>Kevin Burns</i>	345
SPECTRUM, Polarization and Selective Reflection in Infra-red. <i>A. H. Pfund</i>	19
of Arcturus, Sun-Spot Lines in. <i>Walter S. Adams</i>	69

	PAGE
Chemical Reactivity of Carbonyl Group as Measured by its Absorption. <i>A. W. Stewart</i> and <i>E. C. C. Baly</i> - - - -	95
Spectroscopic Study of the Spark. <i>W. B. Anderson</i> - - - -	221
STARK's Theory of Radiation. <i>J. A. Anderson</i> - - - -	382
STRUCTURE, Line, III. <i>P. G. Nutting</i> - - - -	111
SUN-SPOT Lines in the Spectrum of <i>Arcturus</i> . <i>Walter S. Adams</i> - -	69
Spectra, Preliminary Paper on Cause of Characteristic Phenomena of. <i>George E. Hale</i> , <i>Walter S. Adams</i> , and <i>Henry G. Gale</i> - - -	185
Brightness of Inner Edge of Penumbra in. <i>S. Chevalier</i> - - -	278
TEMPERATURE of the Moon. <i>Frank W. Very</i> - - - -	351
TERBIUM, A Spectroscopic Investigation of Dr. G. Urbain's Preparations of. <i>G. Eberhard</i> - - - -	309
TYPES, Relation between Stellar Spectral, and the Intensities of Certain Lines in the Spectra. <i>Sebastian Albrecht</i> - - - -	333
URBAIN's Preparations of Terbium, A Spectroscopic Investigation of. <i>G. Eberhard</i> - - - -	309
VELOCITY Determinations, Radial, A Short Method of Computing Approximate Value of Reduction to Sun in. <i>H. K. Palmer</i> - - -	51
VELOCITY of δ <i>Capricorni</i> , Variable Radial. <i>V. M. Slipher</i> . - -	381
YERKES Observatory, Snow Fund of. <i>Edwin B. Frost</i> - - -	219

INDEX TO VOLUME XXIV

AUTHORS

	PAGE
ADAMS, WALTER S. Sun-Spot Lines in the Spectrum of <i>Arcturus</i> - - -	69
ADAMS, WALTER S., GEORGE E. HALE, and HENRY G. GALE. Preliminary Paper on the Cause of the Characteristic Phenomena of Sun-Spot Spectra - - -	185
ALBRECHT, SEBASTIAN. On the Relation between Stellar Spectral Types and the Intensities of Certain Lines in the Spectra - - -	333
ANDERSON, J. A. Stark's Theory of Radiation - - -	382
ANDERSON, W. B. A Spectroscopic Study of the Spark Spectrum - - -	221
BALY, E. C. C., and A. W. STEWART. The Chemical Reactivity of the Carbonyl Group as Measured by its Absorption Spectrum - - -	95
The Origin of Color - - -	133
BARNARD, E. E. The Midnight Illumination above the Northern Horizon near the Time of the Summer Solstice - - -	128
Photographic Observations of Giacobini's Comet (1905 c) - - -	255
BARNES, JAMES. Review of: <i>Analysis of the Spectrum Lines of Mercury, Cadmium, Sodium, Zinc, Thallium and Hydrogen</i> , L. Janicki -	56
BARRETT, STORRS B. Review of: <i>A Popular Guide to the Heavens</i> , Sir Robert S. Ball - - -	367
BLYTHSWOOD, LORD, and WALTER A. SCOBLE. Photographs of Certain Arc Spectra from λ 5800 to λ 8500 - - -	125
BURNS, KEVIN. Orbit of the Spectroscopic Binary λ <i>Andromedae</i> - - -	345
CHEVALIER, S. On the Brightness of the Inner Edge of the Penumbra in Sun-Spots - - -	278
CORTIE, A. L. On the Connection between Disturbed Areas of the Solar Surface and the Solar Corona - - -	355
CREW, HENRY. Review of: <i>Vorlesungen über theoretische Spectroscopie</i> . A. Garbasso - - -	303
EBERHARD, G. A Spectroscopic Investigation of Dr. G. Urbain's Preparations of Terbium. - - -	309
FROST, EDWIN B. The Snow Fund of the Yerkes Observatory - - -	219
The Period of β <i>Cephei</i> - - -	259
Review of: <i>Fünfstellige Mathematische und Astronomische Tafeln</i> , F. Bidschaf und A. Vital - - -	368
Review of: <i>The Royal Society, or Science in the State and in the Schools</i> , Sir William Huggins - - -	368
GALE, HENRY G., GEORGE E. HALE, and WALTER S. ADAMS. Preliminary Paper on the Cause of the Characteristic Phenomena of Sun-Spot Spectra - - -	185

	PAGE
HALE, GEORGE E. The Spectroscopic Laboratory of the Solar Observatory	61
Latitude and Longitude of the Solar Observatory - - - -	129
A 100-inch Mirror for the Solar Observatory - - - -	214
HALE, GEORGE E., WALTER S. ADAMS, and HENRY G. GALE. Preliminary Paper on the Cause of the Characteristic Phenomena of Sun-Spot Spectra - - - - -	185
HARTMANN, J. The Spectrocomparator - - - - -	285
LARMOR, J. Letter Regarding the Proceedings of the Royal Society -	55
LOMB, HENRY C. On the Theory of Cemented Doublets - - - -	263
MILLOCHAU, G., and M. STEFÁNIK. On a New Form of Spectroheliograph	42
MITCHELL, WALTER M. Results of Solar Observations at Princeton, 1905- 1906 - - - - -	78
NUTTING, P. G. Line Structure, III - - - - -	111
PALMER, H. K. A Short Method of Computing an Approximate Value of the Reduction to Sun in Radial Velocity Determinations - - -	51
PARKHURST, J. A. Review of: <i>Atlas Stellarum Variabilium, Series V</i> , J. G. Hagen - - - - -	59
PFUND, A. H. Polarization and Selective Reflection in the Infra-red Spec- trum - - - - -	19
Review of: <i>Resolution of Spectral Lines by Means of Interference Points Produced by Plane-parallel Plates</i> , E. Gehrcke and O. von Baeyer -	364
REESE, HERBERT M. A Mechanical Illustration of the Plane Grating -	47
An Occulting Shutter for Concave Grating Spectroscopes - - -	49
RIGGE, WILLIAM F. Review of: <i>Elementi di Astronomia ad uso del Scuole e per Istruzione privata</i> , P. Adolfo Müller - - - - -	307
RUSSELL, HENRY NORRIS. On Light Variations of Asteroids and Satellites -	1
SCOBLE, WALTER A., and LORD BLYTHSWOOD. Photographs of Certain Arc Spectra from λ 5800 to λ 8500 - - - - -	125
SEARES, F. H. Review of: <i>A Compendium of Spherical Astronomy, with its Application to the Determination and Reduction of Positions of the Fixed Stars</i> , Simon Newcomb - - - - -	305
SLIPHER, V. M. Variable Radial Velocity of δ Capricorni - - - -	381
SOUTHALL, JAMES P. C. The Geometrical Theory of Optical Imagery -	156
STEFÁNIK, M., and G. MILLOCHAU. On a New Form of Spectroheliograph	42
STEWART, A. W., and E. C. C. BALY. The Chemical Reactivity of the Car- bonyl Group as Measured by its Absorption Spectrum - - -	95
The Origin of Color - - - - -	133
STRATTON, F. J. M. Planetary Inversion - - - - -	46
VEËRY, FRANK W. The Temperature of the Moon - - - - -	351
WALLACE, ROBERT JAMES. Color Filters for Astronomical Photography with Reflecting Telescopes - - - - -	268